

Claudio Dariva

List of Publications by Year in descending order

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155
papers

4,658
citations

94433

37
h-index

144013

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all docs

155
docs citations

155
times ranked

4447
citing authors

#	ARTICLE	IF	CITATIONS
1	Extraction of Pecan nut (<i>Carya illinoensis</i>) oil using different techniques and its antitumor potential in human cancer cells. <i>Journal of Supercritical Fluids</i> , 2022, 179, 105409.	3.2	5
2	An experimental study of calcium carbonate precipitation with hydrate inhibitor in MEG recovery unit. <i>Upstream Oil and Gas Technology</i> , 2022, 8, 100061.	2.3	3
3	Stabilization of water-in-oil emulsions using a wax ester synthesized by a new homemade heterogeneous biocatalyst. <i>Journal of Chemical Technology and Biotechnology</i> , 2022, 97, 1726-1735.	3.2	2
4	Study of CO ₂ and N ₂ sorption into ZIF-8 at high pressure and different temperatures. <i>Journal of Solid State Chemistry</i> , 2022, 314, 123370.	2.9	3
5	Strontium-based low salinity water as an IOR/EOR method: Oil-brine interaction. <i>Journal of Petroleum Science and Engineering</i> , 2021, 202, 108549.	4.2	6
6	Natural gas dehydration by adsorption using MOFs and silicas: A review. <i>Separation and Purification Technology</i> , 2021, 276, 119409.	7.9	33
7	Online monitoring of horseradish peroxidase structural changes by Near Infrared (NIR) Spectroscopy. <i>Process Biochemistry</i> , 2020, 90, 97-101.	3.7	4
8	Oleochemistry potential from Brazil northeastern exotic plants. <i>Biochimie</i> , 2020, 178, 96-104.	2.6	11
9	Synthesis of the chiral stationary phase based on functionalized ZIF-8 with amylose carbamate. <i>Journal of Materials Research</i> , 2020, 35, 2936-2949.	2.6	12
10	CO ₂ influence on asphaltene precipitation. <i>Journal of Supercritical Fluids</i> , 2019, 143, 24-31.	3.2	27
11	Application of Near-Infrared for Online Monitoring of Heavy Fuel Oil at Thermoelectric Power Plants. Part I: Development of Chemometric Models. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 15681-15692.	3.7	4
12	Influence of magnetic field on barium sulfate incrustation from aqueous solutions. <i>Heliyon</i> , 2019, 5, e02032.	3.2	1
13	Surface crystallization of ionic liquid crystals. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 17792-17800.	2.8	6
14	Encapsulation of neem (<i>Azadirachta indica</i>) seed oil in poly(3-hydroxybutyrate-co-3-hydroxyvalerate) by SFEE technique. <i>Journal of Supercritical Fluids</i> , 2019, 152, 104556.	3.2	18
15	CO ₂ /CH ₄ adsorption at high-pressure using silica-APTES aerogel as adsorbent and near infrared as a monitoring technique. <i>Journal of CO₂ Utilization</i> , 2019, 32, 232-240.	6.8	27
16	Phase Behavior for the System Carbon Dioxide + p-Nitrobenzaldehyde: Experimental and Modeling. <i>Journal of Chemical & Engineering Data</i> , 2019, 64, 2116-2125.	1.9	2
17	Separation of antibacterial biocompounds from <i>Hancornia speciosa</i> leaves by a sequential process of pressurized liquid extraction. <i>Separation and Purification Technology</i> , 2019, 222, 390-395.	7.9	23
18	Revisiting the methodology for asphaltene precipitation. <i>Journal of Petroleum Science and Engineering</i> , 2019, 178, 778-786.	4.2	16

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19	Study on the use of aprotic ionic liquids as potential additives for crude oil upgrading, emulsion inhibition, and demulsification. <i>Fluid Phase Equilibria</i> , 2019, 489, 8-15.	2.5	17
20	Effect of high pressure CO ₂ sorption on the stability of metalorganic framework MOF-177 at different temperatures. <i>Journal of Solid State Chemistry</i> , 2019, 269, 320-327.	2.9	16
21	High-pressure solubility of CO ₂ in glymes. <i>Fuel</i> , 2018, 219, 120-125.	6.4	13
22	THE USE OF COMPRESSED FLUIDS TO OBTAIN BIOCOMPOSITES FROM PALM OIL FIBER (<i>Elaeis</i> sp.). <i>Brazilian Journal of Chemical Engineering</i> , 2018, 35, 353-362.	1.3	0
23	New perspectives on the modification of silica aerogel particles with ionic liquid used in lipase immobilization with platform in ethyl esters production. <i>Process Biochemistry</i> , 2018, 75, 157-165.	3.7	18
24	Surface and Interface Characterization of Asphaltenic Fractions Obtained with Different Alkanes: A Study by Atomic Force Microscopy and Pendant Drop Tensiometry. <i>Energy & Fuels</i> , 2018, 32, 12174-12186.	5.1	8
25	Mathematical modeling and experimental esterification at supercritical conditions for biodiesel production in a tubular reactor. <i>Energy Conversion and Management</i> , 2018, 171, 1697-1703.	9.2	16
26	Rheological Properties of Water-in-Brazilian Crude Oil Emulsions: Effect of Water Content, Salinity, and pH. <i>Energy & Fuels</i> , 2018, 32, 8880-8890.	5.1	22
27	Antiproliferative Activity of Neem Leaf Extracts Obtained by a Sequential Pressurized Liquid Extraction. <i>Pharmaceuticals</i> , 2018, 11, 76.	3.8	13
28	Horseradish peroxidase biocatalytic reaction monitoring using Near-Infrared (NIR) Spectroscopy. <i>Process Biochemistry</i> , 2018, 71, 127-133.	3.7	11
29	Microwave-Assisted Extraction of Phenolic Acids and Flavonoids from <i>Physalis angulata</i> . <i>Journal of Food Process Engineering</i> , 2017, 40, e12433.	2.9	17
30	Thermoliquefaction of palm oil fiber (<i>Elaeis</i> sp.) using supercritical ethanol. <i>Bioresource Technology</i> , 2017, 230, 1-7.	9.6	14
31	Study of Asphaltene Precipitation in Crude Oils at Desalter Conditions by Near-Infrared Spectroscopy. <i>Energy & Fuels</i> , 2017, 31, 5031-5036.	5.1	15
32	High-Pressure Phase Behavior for Poly(ethylene glycol) and 1,1,1,2-Tetrafluoroethane Systems. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 1853-1858.	1.9	3
33	Monitoring of Generation and Stability of Droplets in Miniemulsion Polymerization Using the Near-Infrared Spectroscopy. <i>Macromolecular Reaction Engineering</i> , 2017, 11, 1700007.	1.5	3
34	Supercritical fluid extraction of <i>Rumex Acetosa</i> L. roots: Yield, composition, kinetics, bioactive evaluation and comparison with conventional techniques. <i>Journal of Supercritical Fluids</i> , 2017, 122, 1-9.	3.2	35
35	Microwave-assisted synthesis of malic acid involving hydrochloric acid as catalyst. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017, 122, 793-802.	1.7	4
36	Influence of Ionic Liquids on the Viscoelastic Properties of Crude Oil Emulsions. <i>Energy & Fuels</i> , 2017, 31, 9132-9139.	5.1	13

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37	Demulsification of water-in-crude oil emulsions using single mode and multimode microwave irradiation. <i>Separation and Purification Technology</i> , 2017, 189, 347-356.	7.9	70
38	Dilatational Rheological Properties of Asphaltenes in Oil/Water Interfaces: Langmuir Isotherm and Influence of Time, Concentration, and Heptol Ratios. <i>Energy & Fuels</i> , 2017, 31, 10233-10244.	5.1	19
39	Experimental Study on the Solubility of Carbon Dioxide in Systems Containing Ethane-1,2-diol + Water + Salt (Sodium Chloride or Calcium Carbonate). <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 62-68.	1.9	6
40	Use of real crude oil fractions to describe the high pressure phase behavior of crude oil in carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2016, 118, 140-147.	3.2	13
41	Volumetric properties of binary aqueous solutions of protic ionic liquids based on bis (2-hydroxyethyl) ammonium. <i>Journal of Molecular Liquids</i> , 2016, 222, 867-872.	4.9	14
42	Experimental Density of Ionic Liquids and Thermodynamic Modeling with Group Contribution Equation of State Based on the Lattice Fluid Theory. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 348-353.	1.9	40
43	Extraction and evaluation of antioxidant potential of the extracts obtained from tamarind seeds (<i>Tamarindus indica</i>), sweet variety. <i>Journal of Food Engineering</i> , 2016, 173, 116-123.	5.2	42
44	EFFECT OF WATER CONTENT, TEMPERATURE AND AVERAGE DROPLET SIZE ON THE SETTLING VELOCITY OF WATER-IN-OIL EMULSIONS. <i>Brazilian Journal of Chemical Engineering</i> , 2015, 32, 455-464.	1.3	27
45	PHASE EQUILIBRIA FOR BINARY SYSTEMS CONTAINING IONIC LIQUID WITH WATER OR HYDROCARBONS. <i>Brazilian Journal of Chemical Engineering</i> , 2015, 32, 967-974.	1.3	18
46	Use of near infrared for evaluation of droplet size distribution and water content in water-in-crude oil emulsions in pressurized pipeline. <i>Fuel</i> , 2015, 147, 43-52.	6.4	37
47	Near infrared spectroscopy applied for high-pressure phase behavior measurements. <i>Journal of Supercritical Fluids</i> , 2015, 104, 221-226.	3.2	9
48	Liquid-Liquid Equilibrium for Ternary Systems Containing Water, Oleic Acid, and Alcohols at 313.15 K. Effect of Alcohol Chain Length. <i>Journal of Chemical & Engineering Data</i> , 2015, 60, 2050-2056.	1.9	10
49	Extraction of pequi (<i>Caryocar coriaceum</i>) pulp oil using subcritical propane: Determination of process yield and fatty acid profile. <i>Journal of Supercritical Fluids</i> , 2015, 101, 95-103.	3.2	43
50	Stability and structural changes of horseradish peroxidase: Microwave versus conventional heating treatment. <i>Enzyme and Microbial Technology</i> , 2015, 69, 10-18.	3.2	55
51	MICROWAVE ACTIVATION OF IMMOBILIZED LIPASE FOR TRANSESTERIFICATION OF VEGETABLE OILS. <i>Quimica Nova</i> , 2015, , ,	0.3	1
52	Microwave demulsification of heavy crude oil emulsions: Analysis of acid species recovered in the aqueous phase. <i>Fuel</i> , 2014, 128, 141-147.	6.4	43
53	A one-dimensional and comprehensive two-dimensional gas chromatography study of the oil and the bio-oil of the residual cakes from the seeds of <i>Crambe abyssinica</i> . <i>Industrial Crops and Products</i> , 2014, 52, 8-16.	5.2	41
54	Influence of the salinity on the interfacial properties of a Brazilian crude oil/brine systems. <i>Fuel</i> , 2014, 118, 21-26.	6.4	77

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55	Evaluation of activity of Bacillus lipase (free and immobilized) treated with compressed propane. Journal of Molecular Catalysis B: Enzymatic, 2014, 99, 130-135.	1.8	8
56	Development of a system by atomization for the formation of polymeric particles in micro and sub-micro scales. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 451, 1-6.	4.7	3
57	Synthesis and physico-chemical properties of two protic ionic liquids based on stearate anion. Fluid Phase Equilibria, 2014, 376, 132-140.	2.5	35
58	Ionic liquid as surfactant in microwave-assisted emulsion polymerization. Journal of Applied Polymer Science, 2013, 127, 448-455.	2.6	16
59	Solubility of Carbon Dioxide in Ethane-1,2-diol-Water Mixtures. Journal of Chemical & Engineering Data, 2013, 58, 3464-3469.	1.9	17
60	Demulsification of Heavy Crude Oil Emulsions Using Ionic Liquids. Energy & Fuels, 2013, 27, 6311-6315.	5.1	95
61	Extraction of palm oil using propane, ethanol and its mixtures as compressed solvent. Journal of Supercritical Fluids, 2013, 81, 245-253.	3.2	55
62	Effect of experimental parameters in the pressurized liquid extraction of brazilian grape seed oil. Separation and Purification Technology, 2013, 116, 313-318.	7.9	39
63	Effect of water content on the equilibrium pressure of (carbon dioxide+decane and+decalin) from T=(313.15 to 333.15)K. Journal of Chemical Thermodynamics, 2013, 65, 11-17.	2.0	8
64	Phase Equilibria of the Systems CO ₂ + Styrene, CO ₂ + Safrole, and CO ₂ + Styrene + Safrole. Journal of Chemical & Engineering Data, 2013, 58, 1685-1691.	1.9	8
65	Kinetic Modeling of Solvent-Free Lipase-Catalyzed Partial Hydrolysis of Palm Oil. Applied Biochemistry and Biotechnology, 2012, 168, 1121-1142.	2.9	16
66	Phase Behavior at High Pressure of the Ternary System: CO ₂ , Ionic Liquid and Disperse Dye. Journal of Thermodynamics, 2012, 2012, 1-6.	0.8	9
67	Supercritical CO ₂ extraction of raw propolis and its dry ethanolic extract. Brazilian Journal of Chemical Engineering, 2012, 29, 243-251.	1.3	31
68	Biological activities of Solanum paludosum Moric. extracts obtained by maceration and supercritical fluid extraction. Journal of Supercritical Fluids, 2011, 58, 391-397.	3.2	14
69	Solid-state radical grafting reaction of glycidyl methacrylate and poly(4-methyl-1-pentene) in supercritical carbon dioxide: Surface morphology and adhesion. Journal of Colloid and Interface Science, 2011, 361, 331-337.	9.4	12
70	Extraction of sunflower (Heliantus annuus L.) oil with supercritical CO ₂ and subcritical propane: Experimental and modeling. Chemical Engineering Journal, 2011, 168, 262-268.	12.7	98
71	Extraction of canola seed (Brassica napus) oil using compressed propane and supercritical carbon dioxide. Journal of Food Engineering, 2011, 102, 189-196.	5.2	94
72	Theoretical and Empirical Studies on the Catalytic Partial Oxidation of Methane Promoted by FeY and Fe(piperazine)Y Complexes (Y = Y-zeolite). International Journal of Chemical Reactor Engineering, 2011, 9, .	1.1	1

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73	Effect of Treatment with Compressed Propane on Lipases Hydrolytic Activity. Food and Bioprocess Technology, 2010, 3, 511-520.	4.7	40
74	Rapid decomposition of a cationic azo-initiator under microwave irradiation. Journal of Applied Polymer Science, 2010, 118, 1421-1429.	2.6	4
75	Extraction of sesame seed (<i>Sesamun indicum</i> L.) oil using compressed propane and supercritical carbon dioxide. Journal of Supercritical Fluids, 2010, 52, 56-61.	3.2	120
76	Compressed propane as a new and fast method of pre-purification of radish (<i>Raphanus sativus</i> L.) peroxidase. Journal of Supercritical Fluids, 2010, 54, 153-158.	3.2	5
77	SUPERCritical CARBON DIOXIDE SELECTIVITY TO FRACTIONATE PHENOLIC COMPOUNDS FROM THE DRY ETHANOLIC EXTRACT OF PROPOLIS. Journal of Food Process Engineering, 2010, 33, 15-27.	2.9	36
78	Microorganisms screening for limonene oxidation. Food Science and Technology, 2010, 30, 399-405.	1.7	11
79	Solid-Acid-Catalyzed Esterification of Oleic Acid Assisted by Microwave Heating. Industrial & Engineering Chemistry Research, 2010, 49, 12135-12139.	3.7	35
80	Demulsification of Water-in-Crude Oil Emulsions Using Ionic Liquids and Microwave Irradiation. Energy & Fuels, 2010, 24, 4439-4444.	5.1	113
81	Chemical variation of tannins and triterpenes in Brazilian populations of <i>Maytenus ilicifolia</i> Mart. Ex Reiss. Brazilian Journal of Biology, 2009, 69, 339-345.	0.9	21
82	Effects of compressed fluids on the activity and structure of horseradish peroxidase. Journal of Supercritical Fluids, 2009, 50, 162-168.	3.2	33
83	Analysis of organic compounds of water-in-crude oil emulsions separated by microwave heating using comprehensive two-dimensional gas chromatography and time-of-flight mass spectrometry. Journal of Chromatography A, 2009, 1216, 2860-2865.	3.7	18
84	Use of Microwave Irradiation in the Noncatalytic Esterification of C18 Fatty Acids. Energy & Fuels, 2009, 23, 580-585.	5.1	34
85	Fatty acid ethyl esters production using a non-commercial lipase in pressurized propane medium. Food Science and Technology, 2009, 29, 603-608.	1.7	7
86	Pressurized liquid extraction of mate tea leaves. Analytica Chimica Acta, 2008, 625, 70-76.	5.4	30
87	Oxidases from mate tea leaves (<i>Ilex paraguariensis</i>): extraction optimization and stability at low and high temperatures. Bioprocess and Biosystems Engineering, 2008, 31, 541-550.	3.4	10
88	Catalytic oxidation of limonene, α -pinene and β -pinene by the complex $[\text{FeIII}(\text{BPMP})\text{Cl}(\frac{1}{4}\text{-O})\text{FeIIICl}_3]$ biomimetic to MMO enzyme. Catalysis Today, 2008, 133-135, 695-698.	4.4	19
89	Phase behavior and process parameters effects on the characteristics of precipitated theophylline using carbon dioxide as antisolvent. Journal of Supercritical Fluids, 2008, 44, 8-20.	3.2	38
90	Effect of treatment with compressed CO ₂ and propane on d-hydantoinase activity. Journal of Supercritical Fluids, 2008, 46, 342-350.	3.2	17

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91	Precipitation of β -carotene and PHBV and co-precipitation from SEDS technique using supercritical CO ₂ . Journal of Supercritical Fluids, 2008, 47, 259-269.	3.2	99
92	Application of Origanum majorana L. essential oil as an antimicrobial agent in sausage. Food Microbiology, 2008, 25, 207-211.	4.2	166
93	Immobilization of d-hydantoinase in polyaniline. Journal of Molecular Catalysis B: Enzymatic, 2008, 55, 185-188.	1.8	9
94	Extraction of Grape Seed Oil Using Compressed Carbon Dioxide and Propane: Extraction Yields and Characterization of Free Glycerol Compounds. Journal of Agricultural and Food Chemistry, 2008, 56, 2558-2564.	5.2	83
95	Mathematical Modeling of the Destabilization of Crude Oil Emulsions Using Population Balance Equation. Industrial & Engineering Chemistry Research, 2008, 47, 7094-7103.	3.7	43
96	Phase Behavior of the Reactant and Products of Cyclohexane Oxidation in Compressed CO ₂ . Journal of Chemical & Engineering Data, 2008, 53, 2050-2055.	1.9	22
97	High-pressure cloud point data for the system glycerol + olive oil + n-butane + AOT. Brazilian Journal of Chemical Engineering, 2008, 25, 563-570.	1.3	4
98	Chemical profile and antimicrobial activity of Boldo (Peumus boldus Molina) extracts obtained by compressed carbon dioxide extraction. Brazilian Journal of Chemical Engineering, 2008, 25, 427-434.	1.3	29
99	Principais aplicações das microondas na produção e refino de petróleo. Química Nova, 2008, 31, 1553-1561.	0.3	20
100	Semi-volatile compounds variation among Brazilian populations of Ilex paraguariensis St. Hil.. Brazilian Archives of Biology and Technology, 2008, 51, 175-181.	0.5	11
101	Influence of Agronomic Variables on the Macronutrient and Micronutrient Contents and Thermal Behavior of Mate Tea Leaves (<i>Ilex paraguariensis</i>). Journal of Agricultural and Food Chemistry, 2007, 55, 7510-7516.	5.2	22
102	Continuous Production of Fatty Acid Ethyl Esters from Soybean Oil in Compressed Ethanol. Industrial & Engineering Chemistry Research, 2007, 46, 5304-5309.	3.7	113
103	Influence of Drying Methods and Agronomic Variables on the Chemical Composition of Mate Tea Leaves (<i>Ilex paraguariensis</i> A. St.-Hil) Obtained from High-Pressure CO ₂ Extraction. Journal of Agricultural and Food Chemistry, 2007, 55, 10081-10085.	5.2	18
104	High-Pressure Vapor-Liquid Equilibrium Data for Systems Involving Carbon Dioxide + Organic Solvent + β -Carotene. Journal of Chemical & Engineering Data, 2007, 52, 1437-1441.	1.9	44
105	Influência da temperatura na solubilidade de beta-caroteno em solventes orgânicos à pressão ambiente. Food Science and Technology, 2007, 27, 737-743.	1.7	22
106	A subdivision algorithm for phase equilibrium calculations at high pressures. Brazilian Journal of Chemical Engineering, 2007, 24, 611-622.	1.3	5
107	GC/MS characterization of mate tea leaves extracts obtained from high-pressure CO ₂ extraction. Journal of Supercritical Fluids, 2007, 40, 354-359.	3.2	48
108	Effects of compressed carbon dioxide treatment on the specificity of oxidase enzymatic complexes from mate tea leaves. Journal of Supercritical Fluids, 2007, 43, 283-290.	3.2	26

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109	The use of ultrasound in the extraction of <i>Ilex paraguariensis</i> leaves: A comparison with maceration. <i>Ultrasonics Sonochemistry</i> , 2007, 14, 6-12.	8.2	54
110	Phase Behavior of Binary and Ternary Systems Involving Carbon Dioxide, Propane, and Glycidyl Methacrylate at High Pressure. <i>Journal of Chemical & Engineering Data</i> , 2006, 51, 686-690.	1.9	23
111	Application of molecular sieves in the fractionation of lemongrass oil from high-pressure carbon dioxide extraction. <i>Brazilian Journal of Chemical Engineering</i> , 2006, 23, 219-225.	1.3	30
112	Phase behavior of olive and soybean oils in compressed propane and n-butane. <i>Brazilian Journal of Chemical Engineering</i> , 2006, 23, 405-415.	1.3	48
113	Caracteriza�o qu�mica de extratos de <i>Ocimum basilicum</i> L. obtidos atrav�s de extra�o com CO ₂ a altas press�es. <i>Quimica Nova</i> , 2006, 29, 1198-1202.	0.3	15
114	Modeling and simulation of rapid expansion of supercritical solutions. <i>Brazilian Journal of Chemical Engineering</i> , 2006, 23, 417-425.	1.3	16
115	High-pressure multiphase equilibria in the system glycerol+olive oil+propane+AOT. <i>Fluid Phase Equilibria</i> , 2006, 244, 128-136.	2.5	25
116	Solubility of carbon dioxide in binary and ternary mixtures with ethanol and water. <i>Fluid Phase Equilibria</i> , 2006, 245, 193-200.	2.5	144
117	Evaluation of radish (<i>Raphanus sativus</i> L.) peroxidase activity after high-pressure treatment with carbon dioxide. <i>Journal of Supercritical Fluids</i> , 2006, 38, 347-353.	3.2	41
118	Assessment of two immobilized lipases activity treated in compressed fluids. <i>Journal of Supercritical Fluids</i> , 2006, 38, 373-382.	3.2	113
119	Optimization of the sonication extraction method of <i>Hibiscus tiliaceus</i> L. flowers. <i>Ultrasonics Sonochemistry</i> , 2006, 13, 242-250.	8.2	64
120	Microorganism Screening for Limonene Bioconversion and Correlation With RAPD Markers. <i>Applied Biochemistry and Biotechnology</i> , 2006, 132, 1023-1033.	2.9	9
121	Phase behavior of soybean oil, castor oil and their fatty acid ethyl esters in carbon dioxide at high pressures. <i>Journal of Supercritical Fluids</i> , 2006, 37, 29-37.	3.2	98
122	Influence of compressed fluids treatment on the activity of <i>Yarrowia lipolytica</i> lipase. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2006, 39, 117-123.	1.8	70
123	Chemical composition of mate tea leaves (<i>Ilex paraguariensis</i>): A study of extraction methods. <i>Journal of Separation Science</i> , 2006, 29, 2780-2784.	2.5	34
124	Synthesis, characterization and benzene oxidation promoted by a new mononuclear copper(II) complex, [Cu(BTMEA) ₂ Cl]Cl. <i>Journal of the Brazilian Chemical Society</i> , 2006, 17, 1551-1557.	0.6	17
125	Effects of processing conditions on the chemical distribution of mate tea leaves extracts obtained from CO ₂ extraction at high pressures. <i>Journal of Food Engineering</i> , 2005, 70, 588-592.	5.2	26
126	Catalytic oxidation of cyclohexane by a binuclear Fe(III) complex biomimetic to methane monooxygenase. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 2054-2061.	3.5	65

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127	Phase behavior of castor oil in compressed propane and n-butane. <i>Journal of Supercritical Fluids</i> , 2005, 34, 215-221.	3.2	30
128	Application of a modified RESS process for polypropylene microparticle production. <i>Fluid Phase Equilibria</i> , 2005, 228-229, 381-388.	2.5	15
129	Kinetics of Enzyme-Catalyzed Alcoholysis of Soybean Oil in n-Hexane. <i>Applied Biochemistry and Biotechnology</i> , 2005, 121, 0231-0242.	2.9	28
130	Optimization of Alkaline Transesterification of Soybean Oil and Castor Oil for Biodiesel Production. <i>Applied Biochemistry and Biotechnology</i> , 2005, 122, 0553-0560.	2.9	52
131	Vapor Pressure Data of Soybean Oil, Castor Oil, and Their Fatty Acid Ethyl Ester Derivatives. <i>Journal of Chemical & Engineering Data</i> , 2005, 50, 330-333.	1.9	34
132	Extraction and characterization of volatile compounds in <i>Maytenus ilicifolia</i> , using high-pressure CO ₂ . <i>Flavour & Fragrance Journal</i> , 2004, 75, 168-178.	2.2	27
133	The Effect of Temperature, Pressure, Exposure Time, and Depressurization Rate on Lipase Activity in SCCO ₂ . <i>Applied Biochemistry and Biotechnology</i> , 2004, 113, 181-188.	2.9	29
134	Phase behavior of lemon and bergamot peel oils in supercritical CO ₂ . <i>Fluid Phase Equilibria</i> , 2004, 226, 1-8.	2.5	51
135	A robust strategy for SVL equilibrium calculations at high pressures. <i>Fluid Phase Equilibria</i> , 2004, 221, 113-126.	2.5	30
136	Influence of Agronomic Variables on the Composition of Mate Tea Leaves (<i>Ilex paraguariensis</i>) Extracts Obtained from CO ₂ Extraction at 30 °C and 175 bar. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 1990-1995.	5.2	58
137	Chemical Composition and Extraction Yield of the Extract of <i>Origanum vulgare</i> Obtained from Sub- and Supercritical CO ₂ . <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 3042-3047.	5.2	71
138	Correlations between Pulp Properties of <i>Eucalyptus</i> Clones and Leaf Volatiles Using Automated Solid-Phase Microextraction. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 7848-7853.	5.2	20
139	Phase Behavior of the Reaction Medium of Limonene Oxidation in Supercritical Carbon Dioxide. <i>Industrial & Engineering Chemistry Research</i> , 2003, 42, 3150-3155.	3.7	27
140	The Effects of Temperature and Pressure on the Characteristics of the Extracts from High-Pressure CO ₂ Extraction of <i>Majorana hortensis</i> Moench. <i>Journal of Agricultural and Food Chemistry</i> , 2003, 51, 453-456.	5.2	36
141	High Pressure Phase Equilibria of the Related Substances in the Limonene Oxidation in Supercritical CO ₂ . <i>Journal of Chemical & Engineering Data</i> , 2003, 48, 354-358.	1.9	35
142	Propylene Solubility in Toluene and Isododecane. <i>Canadian Journal of Chemical Engineering</i> , 2003, 81, 147-152.	1.7	18
143	Caracterização físico-química da erva mate: influência das etapas do processamento industrial. <i>Food Science and Technology</i> , 2002, 22, 199-204.	1.7	40
144	Improving the SAFT-EOS by using an effective WCA segment diameter. <i>Fluid Phase Equilibria</i> , 2002, 194-197, 531-539.	2.5	3

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145	Phase behavior of isotactic polypropylene/C4-solvents at high pressure. Experimental data and SAFT modeling. <i>Journal of Supercritical Fluids</i> , 2001, 21, 93-103.	3.2	18
146	Phase equilibria of polypropylene samples with hydrocarbon solvents at high pressures. <i>Journal of Applied Polymer Science</i> , 2001, 81, 3044-3055.	2.6	26
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152	Experimental design for model discrimination of thermodynamic models. <i>Fluid Phase Equilibria</i> , 1998, 146, 35-50.	2.5	7
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155	Design of experiments for thermodynamic model discrimination applied to phase equilibria at high pressures. <i>Process Technol</i> , 1996, 12, 379-384.	0.1	1